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FY-68

QUARTERLY REPORT

No. 3

29 February 1968

(1 December 1967 - 29 February 1968)

Prepared by:

[redacted]

25X

for

Approved by:

[redacted]

5X1

Date: 15 March 1968

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29 Feb 68

PROGRAM OBJECTIVE

To investigate through studies, tests, and the fabrication and use of engineering breadboard equipment, new methods or devices which will further the state of the art in photographic techniques and practices as it pertains to improved extraction of collected intelligence information from photographic materials.

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29 Feb 68

SUMMARY

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1. This Contract [ ] FY-68 Quarterly Report No. 3 is submitted in lieu of the February 1968 Monthly Report and covers progress for the months of December 1967 and January and February 1968.

2. Detailed reports on approved, active PARs are found in Section II of this report.

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SECTION I

INTRODUCTION

Approved For Release 2005/02/17 : CIA-RDP78B04770A001300010078-3

29 Feb 68

DISCUSSION

3. PAR Status. The table below lists all PARs in numerical order for ready reference, and the title (condensed in some cases) and status of each.

PAR	Title	Status
201	Travel and Liaison	Active
202/224	[redacted] Precision Enlarger/* 3X - 15X Enlarger	Completed/TWX 6351 dtd 21 Jan 66
203	Rapid Access Printer	Completed 4 Aug 65
204	Contact Chip Printer	Termination Rpt completed 27 Jan 65
205	Precision 4X Enlarger	Termination Rpt completed 27 Jan 65
206	Reversal Processing Study	Completed 21 May 65
207	Contact Printer Study	Completed 6 Apr 66
208	Non-Elec. Image Enhancement	Cancelled
209	Phosphor Viewer	Cancelled
210	Laminated Slides	Completed 4 Sep 64
211	Processing Effects Study	Completed 28 Oct 65
212	Color Acq. System Review	Completed 28 Oct 65
213	Color Reprod. Review	Completed 13 Aug 65
214	Roller Transport Processor (12-Inch)	Closed/TWX 7284 dtd 23 May 66
215	Roller Transport Processor (24-Inch)	Closed/TWX 7284 dtd 23 May 66
216	Laser Photographic Exposure	Completed 12 Feb 65
217	Optimization of Lasers	Completed 9 Nov 65
218	Autofocus Systems	Not to be submitted
219	Opt. vs Contact Pg. 1:1	Not to be submitted
220	Static Elec. Hold-Down	Disapproved

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SECRET Approved For Release 2005/02/17 : CIA-RDP78B04770A001300010078-3
GROUP 1
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29 Feb 68

PAR	Title	Status
221	Lens Bench Manual	Not to be submitted
222	Auto Stereo Regstrn System	Completed 3 Mar 65
223	Monochr. Lens System	Disapproved
225	Micro-D Training Program	Terminated
226	Edge Trace Meas., Micro-D	Completed
227	Color Viewer	Disapproved
228	Vectograph Study	Not to be submitted
229	Optical Design Film Viewer	Not to be submitted
230	10X Color Lens	Disapproved
231	10-20-40X Color Lamphouse	Disapproved
232	Automated Edge Trace Device	Disapproved
233	Zoom (6X to 60X) Projection Lens	Terminated/TWX 7878 dtd 26 Jul 66
234	MTF Exposure Device	Disapproved
235	Automation Program Study	Disapproved
236	Film Disposal Rewind Unit	Disapproved
237	Briefing Aids	Completed 25 Jul 65
238	Equipment Installation	Closed/TWX 7284 dtd 23 May 66
239	Administration	Closed
240	Not Assigned	-
241	Not Assigned	-
242A	Color Demonstration Material	Completed 29 Mar 66
243A	[redacted] Precision Enlarger*	Completed 22 Sep 67
244	Spare Parts for RT Processors	Active
245	BPE High Magnification Lens Sets	Active
246	RT-12 and RT-24 Operational Improvements	Completed 25 Feb 68

5X1

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GROUP 1
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29 Feb 68

	PAR	Title	Status
	247	Base Spare Parts Kit	Active
	248	BPE High-Magnification Lens Set	Active
5X1	249	[redacted] Precision Enlarger Prototype (BPE) Operational Improvements and Maintenance	Awaiting customer action
5X1	250	[redacted] Precision Enlarger Mod II (Prototype)	Awaiting customer action

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GROUP 1
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SECTION II

PAR PROGRESS

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Approved For Release 2005/02/17 : CIA-RDP78B04770A001300010078-3

Contract [redacted]

25X

FY-68 Quarterly Report No. 3

PAR 245

29 Feb 68

SUBJECT: BPE High-Magnification Lens Sets

TASK/PROBLEM

1. Design, fabricate, and test prototype optical systems to extend the [redacted] Precision Enlarger* (prototype) PAR 243A upper limit magnification range from 60X to 140X - 160X.

5X1

DISCUSSION

2. As was reported in FY-68 Quarterly Report No. 2, the lenses, condenser assemblies, and the storage cabinet which were deliverable under this contract were delivered and accepted by the customer.

3. The final report has been written and is being published.

PLANNED ACTIVITY

4. Complete publication and transmit the final report.

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Approved For Release 2005/02/17 : CIA-RDP78B04770A001300010078-3

Approved For Release 2005/02/17 : CIA-RDP78B04770A001300010078-3

Contract [redacted]

25X

FY-68 Quarterly Report No. 3

PAR 246

29 Feb 68

SUBJECT: RT-12 and RT-24 Operation Improvements

TASK/PROBLEM

1. Conduct necessary design, fabrication, and test effort to implement operational improvements to the RT-12-inch and RT-24-inch Processors as requested by the customer.

DISCUSSION

2. The replacement dryer drum, circuit breaker, and plastic gears were shipped to the customer.

3. At the customer's direction, all effort on this PAR was terminated on 25 February 1968. For this reason, the planned activity that was indicated in the January 1968 monthly report will not be undertaken.

PLANNED ACTIVITY

4. None. This PAR has been closed, and there is no requirement for a final report.

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Contract [redacted] 25X

FY-68 Quarterly Report No. 3

PAR 247
29 Feb 68

SUBJECT: Base Spare Parts Kit

TASK/PROBLEM

1. Provide one base spare parts kit for two [redacted] Precision Enlargers* (PAR 243A). 25X

DISCUSSION

2. All drawings for the Base Spare Parts Kit have been released.

3. All purchase items were ordered previously and about 60 percent have now been received by the contractor.

4. All make parts were released previously for fabrication, and about 50 percent of these parts have been completed.

PLANNED ACTIVITY

5. Continue fabrication of parts for the Base Spare Parts Kit.

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Approved For Release 2005/02/17 : CIA-RDP78B04770A001300010078-3

Contract [redacted] 25X

FY-68 Quarterly Report No. 3

PAR 248
29 Feb 68

SUBJECT: BPE High-Magnification Lens Set

TASK/PROBLEM

1. Provide one high-magnification lens set (PAR 245) to increase the magnification range of a [redacted] Precision Enlarger* (PAR 243A) at the customer's facility. 5X1

DISCUSSION

2. All drawings for the high-magnification lenses have been released.

3. Orders had been placed previously for all purchase parts and about 75 percent of these parts have now been received by the contractor.

4. All make parts were also released previously for fabrication and progress is shown below.

Item	Status
a. Metal parts	30 percent completed
b. Optical glass parts	60 percent completed

PLANNED ACTIVITY

5. Continue fabrication of parts for assembly of components for the BPE High-Magnification Lens Set.

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SECTION III

FISCAL SUMMARY

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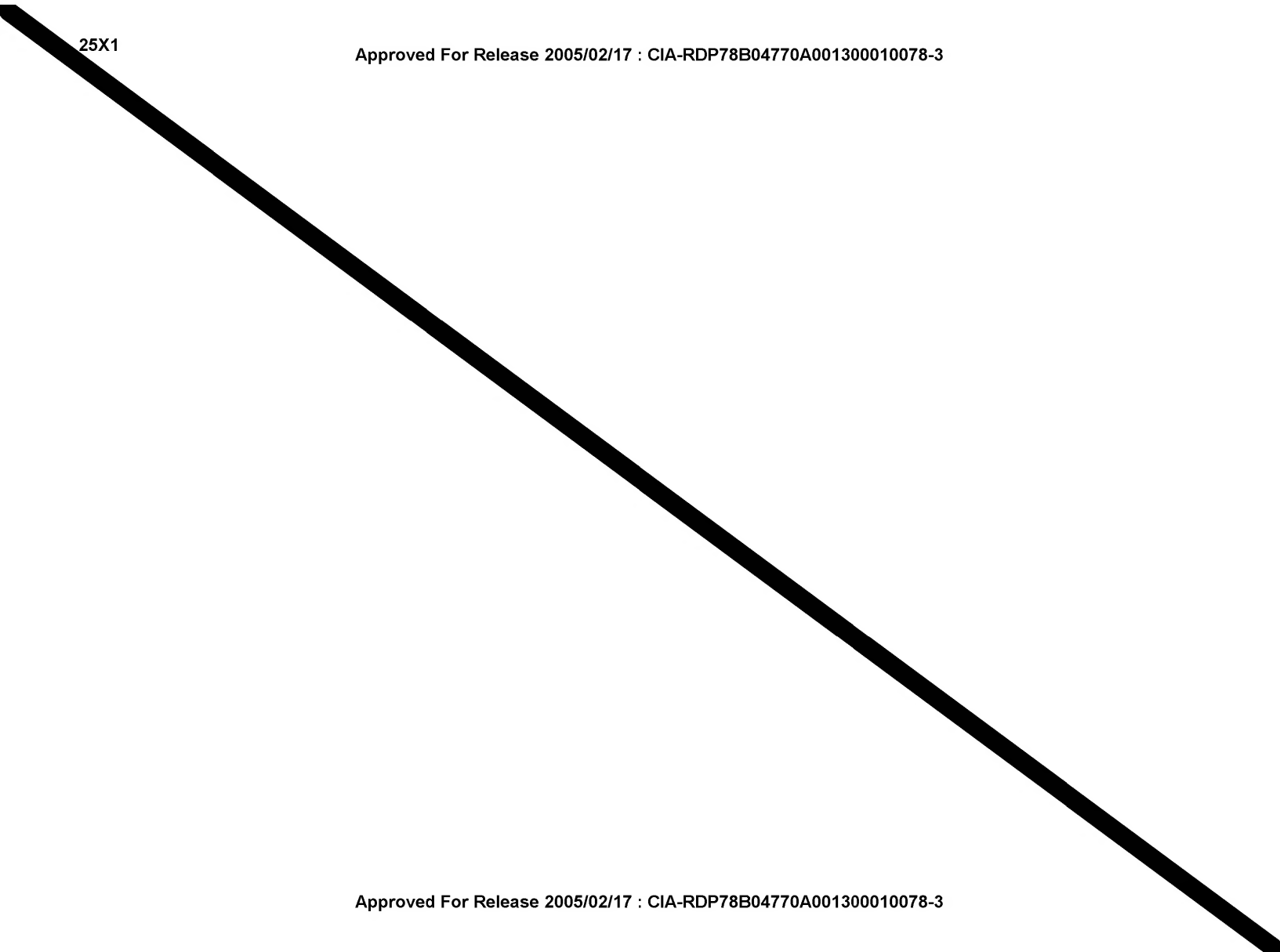

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